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## Amendments to the Claims:

- 1. (Currently amended) An isolated nucleic acid molecule having a nucleotide sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27NO:20;
- (b) a nucleotide sequence comprising the <u>coding</u> sequence set forth in <del>SEQ ID</del> NO:1, 3, 6, 8, 9, 11, 21, or 23 nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (c) a nucleotide sequence encoding a polypeptide having at least 80% sequence identity to the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27 NO:20, wherein said polypeptide retains pesticidal activity;
- (d) a nucleotide sequence encoding a polypeptide comprising at least 10 contiguous amino acids of the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27 NO:20;
- (e) a nucleotide sequence comprising at least 30 contiguous nucleotides of the nucleotide sequences coding sequence set forth in SEQ-ID-NO:1, 3, 6, 8, 9, 1-1, 2-1, or 23 nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14; and
- (f) a nucleotide sequence having at least 80% sequence identity to the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14, wherein said nucleotide sequence encodes a polypeptide having pesticidal activity; and
- (f)(g) a nucleotide sequence consisting of a complement of the nucleotide sequence in (a), (b), (c), (d), (e), (f), or a complement thereof, wherein said sequence encodes a polypeptide having pesticidal activity.
- 2. (Original) An expression cassette comprising a nucleic acid molecule of claim 1, wherein said nucleotide sequence is operably linked to a promoter.
- 3. (Original) The expression cassette of claim 2, wherein said promoter is selected from the group consisting of constitutive, inducible, and tissue-preferred promoters.

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- 4. (Original) The expression cassette of claim 2, wherein said promoter is a vascular tissue-preferred promoter.
- 5. (Original) A host cell expressing a polypeptide encoded by any one of the nucleic acid molecules of claim 1.
- 6. (Original) The host cell of claim 5, wherein the host cell is selected from the group consisting of fungi, yeast, plant, mammal, and insect cells.
  - 7. (Original) A virus comprising an isolated nucleic acid of claim 1.

Claims 8-10 (Canceled)

- 11. (Currently amended) A recombinant baculovirus expression vector comprising a nucleotide sequence encoding a polypeptide having an amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27SEQ ID NO:20.
- 12. (Currently amended) A recombinant baculovirus expression vector comprising a nucleotide sequence encoding a polypeptide consisting of at least 10 contiguous amino acids of SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27SEQ ID NO:20.
- 13. (Currently amended) A transformed plant comprising in its genome at least one stably incorporated expression cassette comprising a nucleotide sequence operably linked to a promoter that drives expression in a plant cell, wherein said nucleotide sequence is selected from the group consisting of:
- (a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27NO:20;
- (b) a nucleotide sequence comprising the <u>coding</u> sequence set forth in <del>SEQ ID</del> <del>NO:1, 3, 6, 8, 9, 11, 21, or 23</del><u>nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;</u>

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- (c) a nucleotide sequence encoding a polypeptide having at least 80% sequence identity to the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27NO:20, wherein said polypeptide retains pesticidal activity;
- (d) a nucleotide sequence encoding a polypeptide comprising at least 10 contiguous amino acids of the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27NO:20;
- (e) a nucleotide sequence comprising at least 30 contiguous nucleotides of the nucleotide sequences coding sequence set forth in SEQ ID NO:1, 3, 6, 8, 9, 11, 21, or 23 nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14; and
- (f) a nycleotide sequence having at least 80% sequence identity to the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nycleotides 64-240 of SEQ ID NO:14, wherein said nucleotide sequence encodes a polypeptide having pesticidal activity; and
- (£)(g) a nucleotide sequence consisting of a complement of the nucleotide sequence in (a), (b), (c), (d), (e), (f), or a complement thereof, wherein said sequence encodes a polypeptide having pesticidal activity.
- 14. (Original) The transformed plant of claim 13, wherein said promoter is selected from the group consisting of constitutive, inducible, and tissue-preferred promoters.
- 15. (Original) The transformed plant of claim 13, wherein said promoter is a vascular tissue-preferred promoter.
- 16. (Original) The transformed plant of claim 13, wherein said promoter is an insect-inducible promoter.
- 17. (Original) The transformed plant of claim 13, wherein said plant is a crop plant selected from the group consisting of maize, wheat, sorghum, rice, barley, soybean, alfalfa, sunflower, *Brassica*, and tomato.
  - 18. (Original) The transformed plant of claim 17, wherein said crop plant is rice.
  - 19. (Original) Transformed seed of the plant of claim 13.

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- 20. (Original) The transformed plant of claim 13, wherein said promoter is a vascular tissue-preferred promoter, said plant is rice, and said nucleotide sequence encodes the polypeptide set forth in SEQ ID NO:20 (Aam1).
  - 21. (Original) The plant of claim 13, wherein said plant exhibits altered insect resistance.
- 22. (Original) The plant of claim 21, wherein said insect resistance is impacting insects selected from the group consisting of Homopteran, Hymenopteran, and Lepidopteran species.
- 23. (Currently amended) A method for altering plant pest resistance, said method comprising stably transforming into a plant cell a nucleotide sequence operably linked to a promoter that drives expression in said plant cell, wherein said nucleotide sequence comprises a nucleotide sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27NO:20;
- (b) a nucleotide sequence comprising the <u>coding</u> sequence set forth in <del>SEQ ID</del> NO:1, 3, 6, 8, 9, 11, 21, or 23 nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14;
- (c) a nucleotide sequence encoding a polypeptide having at least 80% sequence identity to the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27 NO:20, wherein said polypeptide retains pesticidal activity;
- (d) a nucleotide sequence encoding a polypeptide comprising at least 10 contiguous amino acids of the amino acid sequence set forth in SEQ ID NO:2, 4, 7, 10, 20, 22, 24, or 27NO:20;
- (e) a nucleotide sequence comprising at least 30 contiguous nucleotides of the nucleotide sequences coding sequence set forth in SEQ-ID-NO:1, 3, 6, 8, 9, 11, 21, or 23 nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14; and
- (f) a nucleotide sequence having at least 80% sequence identity to the coding sequence set forth in nucleotides 73-249 of SEQ ID NO:17 or nucleotides 64-240 of SEQ ID NO:14, wherein said nucleotide sequence encodes a polypeptide having pesticidal activity; and

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(f)(g) a nucleotide sequence consisting of a complement of the nucleotide sequence in (a), (b), (c), (d), (e), (f), or a complement thereof, wherein said sequence encodes a polypeptide having pesticidal activity.

- 24. (Original) The method of claim 23, wherein said promoter is selected from the group consisting of constitutive, inducible, and tissue-preferred promoters.
- 25. (Original) The method of claim 23, wherein said promoter is a vascular tissue-preferred promoter.
  - 26. (Original) The method of claim 23, wherein said promoter is an insect-inducible promoter.
  - 27. (Original) The method of claim 23, wherein said pest resistance is insect resistance.
- 28. (Currently amended) The method of claim 23, wherein said promoter is a vascular tissue preferred promoter, said plant is rice, said nucleotide sequence is encodes the polypeptide set forth in SEQ ID NO:20 (Aam1), and said plant possesses altered insect resistance to both Homopteran and Lepidopteran species of insects.
- 29. (Original) The method of claim 28, wherein said Lepidopteran species of insect is resistant to a Bt toxin.
- 30. (Original) The method of claim 23, wherein said plant is a crop plant selected from the group consisting of maize, wheat, sorghum, rice, barley, soybean, alfalfa, sunflower, Brassica, and tomato.
- 31. (Original) The method of claim 27, wherein said insect resistance impacts insects selected from the group consisting of Homoptera, Lepidoptera, and Hymenoptera.

Claims 32-37 (Canceled)

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- 38. (New) The nucleic acid molecule of claim 1, wherein said nucleotide sequence encoding said polypeptide further comprises an operably linked sequence encoding a signal peptide.
- 39. (New) The nucleic acid molecule of claim 38, wherein said polypeptide comprises the amino acid sequence set forth in SEQ ID NO:20, and said nucleotide sequence comprises the sequence set forth in SEQ ID NO:17 or SEQ ID NO:14.
- 40. (New) The transformed plant of claim 13, wherein said nucleotide sequence encoding said polypeptide further comprises an operably linked sequence encoding a signal peptide.
- 41. (New) The transformed plant of claim 40, wherein said polypeptide comprises the amino acid sequence set forth in SEQ ID NO:20, and said nucleotide sequence comprises the sequence set forth in SEQ ID NO:17 or SEQ ID NO:14.
- 42. (New) The method of claim 23, wherein said nucleotide sequence encoding said polypeptide further comprises an operably linked sequence encoding a signal peptide.
- 43. (New) The method of claim 42, wherein said polypeptide comprises the amino acid sequence set forth in SEQ ID NO:20, and said nucleotide sequence comprises the sequence set forth in SEQ ID NO:17 or SEQ ID NO:14.